



SK-1 TWINPOWER



Specification & Features

CONFIGURATION

The Twin Pack SK-1 is a light Helicopter with two engines connected through a dedicated flywheel system. The helicopter [SK-1] is outfitted with a proven side-by-side pilot/passenger cockpit configuration with dual controls.

The Twin Pack SK-1 will be certified under European Certification EASA CS-VLR

MAIN CHARACTERISTICS

Gross weight	1,322 lb (600 Kg)
Empty weight	683 lb (310 Kg)
Max speed @ SL	100 Kts (185 Km/h)
Cruise speed @ SL (70% Power)	92 Kts (170 Km/h)
Max speed @ SL (Vne)	113 Kts (209 Km/h)
Hover Ceiling IGE	13,450 ft (4.100 m)
Hover Ceiling OGE	8,000 ft (2.450 m)
Endurance @ cruise speed	3.0 h
Fuel consumption (70% power)	20 liters/h
Max range (10' reserve)	277 NM (510 Km)
Fuel tank capacity	17 gal (64 liters)[95oc]



DIMENSIONS

Main rotor (diameter)	22 ft (6.70 m)
Tail rotor (diameter)	3.67 ft (1.12 m)
Total length (nose to tale)	19.68 ft (6.00 m)





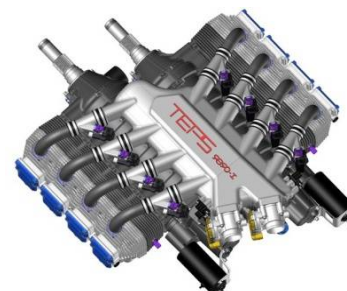
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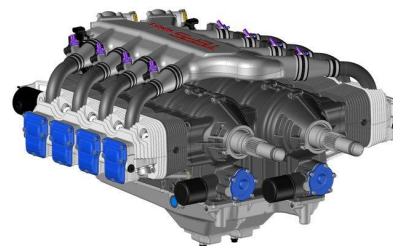
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ENGINE

Twin Engine Pack System (patented)	4 cyl – 2.715cm ³ (per engine)
Weight	110 kg (both engines Pack System)
Cylinder bore	98 mm
Stroke	90 mm
Compression ratio	11:1
Max single engine power	240 HP @ 3.250 RPM-120 HP per engine
Cooling system (patented)	mixed oil-air (patented)
Starter	electric
Fuel	Unleaded 95 octane



In normal flight conditions the two engines run parallel at 50% power each. In case of emergency, and then a failure of one engine, the one still in motion will provide 100% of the power allowing the helicopter to fly safely.



STANDARD EQUIPMENT

Dual controls
Two standard seats with 4 point safety belts
Luggage compartment
Wheels for ground handling
Strobe and landing light systems
EMS (Engine Monitoring System)
EFIS (Electronic Flight Information System)
Electrical trim
Magnetic compass
Digital clock

AVIONICS

Radio
Pilot/Passenger Intercom
Transponder
Emergency Local Transmitter (optional)
GPS (optional)
VOR (optional, for school)

